PC19084A/AG0116-US Information Disclosure Statement For Appln. No. 10/616,003

Alli 2 2 2003

Certificate of Mailing (37 C.F.R. §1.8):
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to:
Mail Stop: DD, Commissioner for Patents,
PO Box 1450, Alexandria, VA 22318-1450

on this 20th day of August 2003/.

Bonnie Acosta

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

David MATTHEWS et al.

Serial No.: 10/616,003

Filed: July 8, 2003

For: PIN1 Peptidyl-Prolyl Isomerase

Polypeptides, Their Crystal Structures, And

Use Thereof For Drug Design

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Mail Stop: DD Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 CFR 1.56, Applicant brings the art documents listed on the attached Form PTO-1449 to the attention of the Examiner for consideration in connection with the examination of the above-identified application.

This Information Disclosure Statement is being filed within the period specified at 37 CFR 1.97(b)-i.e., (1) within three months of the filing date of the national application, (2) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application, or (3) to the undersigned's knowledge, before the mailing date of a first Office Action on the merits, whichever event occurs last.

It is respectfully requested that the Examiner confirm consideration of the cited documents by initialing the attached Form PTO-1449 and returning a copy of the initialed form to Applicant.

If any fees are due in connection with the filing of this statement, including the fee set forth in 37 CFR 1.17(p) in the event that the period specified at 37 CFR 1.97(b) has elapsed, please charge all required fees to Deposit Account No. 500329.

Respectfully submitted,

Date: August 20, 2003

Karl Neidert

Attorney For Applicants Registration No. 39,313

Agouron Pharmaceuticals, Inc./A Pfizer Company Legal Division, Patent Department 10777 Science Center Drive San Diego, California 92121 Phone: (858) 622-8060

Fax: (858) 622-8060 Fax: (858) 678-8233

U.S. Patent and Trademark Office; U.S. Department of Commerce Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

Su	bstitut	e for fo	orm 1449/PTO			
,	01	PE				
			નું MFORM.	ATION D	ISCLOSUR	Ε
		, <i>1</i> 16	_m stateme	ENT BY	SCLOSURIAPPLICATION OF THE PROPERTY OF THE PRO	N

Complet	e if Known
Application Number	10/616,003
Filing Date	July 8, 2003
First Named Inventor	David MATTHEWS et al
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	PC19084A/AG0116-US

	U.S. PATENT DOCUMENTS				
EXAMINER INITIAL	Cite No. 1	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ²			
		US 5,952,467	09-14-1999	Tony HUNTER et al.	
		US 5,972,697	10-26-1999	Tony HUNTER et al.	
-					

	FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL	Cite No. 1	Foreign Patent Document Country Code3 Number4 Kind Code5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
		01/0016346 A1	08-23-2001	Joseph P. NOEL et al.		
		WO99/12962	03-18-1999	Beth Israel Deaconess		
		WO99/63931	12-16-1999	Salk Inst. For Bio. Studies		

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. 'Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kindof document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

INFORMATION DISCLOSURE
STATEMENT BY APPLICATION
(Us as many sheets as n c ssary)

Substitute for form 1449/PTO

Complete if Known		
Application Number	10/616,003	
Filing Date	July 8, 2003	
First Named Inventor	David MATTHEWS et al	
Art Unit	Not Yet Assigned	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	PC19084A/AG0116-US	

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
•		ABRAHAMS et al., "Methods Used in the Structure Determination of Bovine Mitochondrial F1 ATPase*," Acta Cryst., 1996, 30-42, D52.			
		ALTSCHUL et al., "Basic Local Alignment Search Tool," J. Mol. Biol., 1990, 403-10, 215.			
		ALTSCHUL et al., "Gapped BLAST and PSI-BLAST: A new Generation of Protein Database Search Programs," Nucleic Acids Res., 1997, 3389-3402, 25(17).			
		AMANN et al., "Titghtly Regulated tac Promoter Vectors Useful for the Expression of Unfused and Fused Proteins in Escherichia coli." Gene, 1988, 301-315, 69.			
		APPELT, K., "Crystal Structures of HIV-1 Protease-inhibitor Complexes," Perspectives in Drug Discovery and Design, 1993, 23-48, 1.			
		AUSUBEL et al., eds. "Current Protocols in Molecular Biology," 1994, Green Publishers Inc. and Wiley and Sons, NY.			
		BALBES et al., "A Perspective of Modern Methods of Computer-Aided Drug Design," Reviews in Computational Chemistry, 1994, 337-380, 5, VCH, NY.			
		BALDARI et al., "A Novel Leader Peptide which Allows Efficient Secretion of a Fragment of Human Interleukin 1B in Saccharomyces Cerevisiae," EMBO J., 1987, 229-234, 6.			
		BARTLETT et al., "CAVEAT: A Program to Facilitate the Structure-derived Design of Biologically Active Molecules," 1989, 182-196, 78, Special Pub., Royal Chem. Soc.			
		BOHM, "The Computer Program LUDI: A New Method fpr tje De Mpvp Desogm pf Enxyme Inhibitors," J. Comp. Aid. Molec. Design, 1992, 61-78, 6.			
		BOUZIDA et al., "Computer Simulations of Ligan-Protein Binding with Ensembles of Protein Conformations: A Monte Carlo Study of HIV-1 Protease Binding Energy Landscapes," Internat. J			
		BOUZIDA et al., "Thermodynamics and Kinetics of Ligand-protein Binding Studied with the Weighted Histogram Anallysis Method and Simulated Annealing," Pacific Symp. on Biocomputing 199 1999 426-437			

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. 'Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

INFORMATION	DISCLOSURE
STATEMENT B'	Y APPLICATION

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known		
Application Number	10/616,003	
Filing Date	July 8, 2003	
First Named Inventor	David MATTHEWS et al	
Art Unit	Not Yet Assigned	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	PC19084A/AG0116-US	

RADEMARK	BOWIE et al., Diciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 1990, 1306-1310, 247.
	BRUNGER, A., "X-PLOR:A System for X-ray Crystallography and NMR," 1992, Yale University Press, New Haven, Conn.
	BUGG et al., "Drugs by Design," Scientific American Dec., 1993, 92-98.
-	COHEN et al., "Molecular Modeling Software and Methods for Medicinal Chemistry," J. Med. Chem., 883-894, 33.
	CREIGHTON, "Proteins-Structure and Molecular Properties," 2nd ed., 1993, W.H. Freeman and Company, NY
	CRENSHAW et al., "The Mitotic Peptidyl-prolyl Isomerase, Pin 1, Interacts with Cd25 and Plx1," EMBO J., 1998, 1315-1327, 17.
	CUNNINGHAM et al., "High-Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis," Science, 1989, 1081-1085, 244.
	DAVIS et al., "Monoclonal Antibodies to Mitotic Cells," Proc. Natl. Acad. Sci. USA, 1983, 2926-2930, 80.
	DE LA FORTELLE et al., "[27] Maximum-likelihood Heavy-Atom Parameter Refinement for Multiple Isomorphous Replacement and Multiwavelength Anomalous Diffraction Methods," Meth. Enzymol. 1997. 472-494. 276
	DUNBRACK et al., "Meeting Review: the Second Meeeting on the critical Assessment of Techniques for Portein Structure Prediction (CASP2) Asilomar, Calif," Folding & Design, 1997, 27-42, 2 vv.
	DUVEREUX et al., "A Comprhensive Set of Sequence Analysis Programs for the VAX," Nucleic Acids Res., 1984, 387, 12(1).
	EISEN et al., "HOOK: A Program for Finding Novel Molecular Architectures that Satisfy the Chemical and Steric Requirements of a Macromolecule Binding Site," Proteins: Struct. Funct. Genet 1994 199-221 19
	ELDRIDGE et al., "Empirical Scoring Functions: 1. The Development," J. Comput. Aided Mol. Des., 1997, 425-445, 11.
	ERICKSON, J., "Design and Sgtructure of Symmetry-based Inhibitors of HIV-1 Protease," Perspectives in Drug Discovery and Design, 1993, 109-128, 1.
	FRESHNEY, R., "Culture of Animal Cells: A Manual of Basic Technique," 4th ed., 2000, Wiley & Sons.

EXAMINER:	
ľ	

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. 'Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

DATE CONSIDERED:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

	INF	ORN	/ATIO	NC	DIS	CLO	SUR	E
٤	TA	TEM	ENT	BY	APF	PLIC	ATIC	NC

Substitute for form 1449/PTO

(Use as many she ts as n c ssary)

Complete if Known			
Application Number	10/616,003		
Filing Date	July 8, 2003 David MATTHEWS et al		
First Named Inventor			
Art Unit	Not Yet Assigned		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	PC19084A/AG0116-US		

. 25	
RADENDAN	GEHLHAAR et al., "Fully Automated and Rapid Flexible Docking of Inhibitors Vovalently Bound to Serine Proteases," Proceedings of the Seventh Ann. Conf. on Evolutionary Programming, 1998, The Mlt Press, Cambridge, MA
	GEHLHAAR et al., "Molecular Recognition of the Inhibitor AG-1343 by HIV-1 Protease: Conformationally Flexible Docking by Evolutionary Programning," Chemistry & Biol., 1995, 317-324-2
	GILLET et al., "SPROUT: A Program for Structural Generation," J. Comput. Aided Mol. Design, 1993, 127-153, 7.
	GLOVER et al., "DNA Cloning: A Practical Approach," Volumes I and II, 2nd, 1995, IRL Press, Oxford.
	GOODFORD, "A Computational Procedure for Determining Energetically Favorable Sites on Biologically Important Macromolecules," J. Med. Chem., 1985, 849-857,28.
	GOODSELL et al., "Automated Docking of Substrates," Proteins: Struct. Funct. and Genet., 1990, 195-202, 8.
	GOTTESMAN, S., [11] Minimizing Proteolysis in Escherichia coli: Genetic Solutions," Gene Expression Technology: Methods in Enzymology, 1990, 119-128, 185.
	GRIBSKOV, ET AL., "Sequence Analysis in Molecular Biology," 1987, Academic Press, NY.
	GRIFFIN et al., eds., "Computer Analysis of Sequence Data, Part 1," 1994, Humana Press, NJ.
	GUIDA, W., "Software for Structure-based Drug Design," Curr. Opin. Struct. Biol., 1994, 777-781, 4.
	HANES et al., "Sequence and Mutational Analysis of ESSI", Yeast, 1989, 55-72, 5.
	HENNIG et al., "Selective Inactivation of Parvulin-Like peptidyl-Prolyl cis/trans Isomerases by Juglone," Biochemistry, 1998, 5953-5960, 37.
	INNIS et al., eds. "PCR Protocols: A Guide to Methods and Applications," 1990, Academic Press, San Diego.
	JOHNSON,B., ed., "Posttranslational Covalent Modification of Proteins," 1983, Academic Press, NY.
·	JONES et al., "Development and Validation of a Genetic Algorithm for Flexible Docking," J. Mol. Biol., 1997, 727-748, 267.

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kindof document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

DIPE INFORMATION DISCLOSURE TATEMENT BY APPLICATION AUG 2 2 2003 (Use as many sheets as necessary)

Substitute for form 1449/PTO

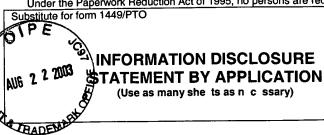
Complete if Known			
Application Number	10/616,003		
Filing Date	July 8, 2003		
First Named Inventor	David MATTHEWS et al		
Art Unit	Not Yet Assigned		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	PC19084A/AG0116-US		

tein Models in Electron Density maps and the ogr., 1991, 110-119, A47. Eistronic mRNAs and their Utilization to Express J., 1987, 187-195, 6.v Eeplacement by Evolutionary Search," Acta Its for Peptidyl Prolyl Cis-Trans isomerases by histry, 1991, 6217-6134, 30.
eplacement by Evolutionary Search," Acta ts for Peptidyl Prolyl Cis-Trans isomerases by
ts for Peptidyl Prolyl Cis-Trans isomerases by
ts for Peptidyl Prolyl Cis-Trans isomerases by istry, 1991, 6217-6134, 30.
nal-Factor Refinement Procedure," Acta Cryst.,
olecule-Ligand Interactions," J. Mol. Biol., 1982,
ody MPM-2 Inhibits Xenopus oocyte Maturation . Natl. Acad. Sci. USA 1989, 4982-4986, 86.
Gene," Cell, 1982, 933-943, 30.
e, Nonpeptide Cyclic Ureas as HIV Protease
Models," Acta Cryst., 1993, 129-147, D49.v
Functions," Methods in Enzymology, 1985, 55-
," 1994, 51-66, 8, University of California,
rine- or," Science, 1999, 1325-1328,
sential for Regulation of Mitosis," Nature, 1996,
yay in Vertebrate Cells," Cell, 1995, 413-424, 81.

1 20 0. d.i., 2.110110	
EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.



Complete if Known			
Application Number	10/616,003		
Filing Date	July 8, 2003		
First Named Inventor	David MATTHEWS et al		
Art Unit	Not Yet Assigned		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	PC19084A/AG0116-US		

LU et al., "The Prolyl isomerase Pin1 Restores the Function of Alzheimber-associated," Nature, 1999, 784-788, 399.
LUCKLOW et al., "High Level Expression of Nonfused Foreign Genes with Autographa californica Nuclear Polyhedrosis Virus Expression Vectors," Virology, 1989, 31-39, 170.
MALESZKA et al., "The <i>dodo</i> gene family encodes," Gene, 1997, 89-93, 203.
MALESZKA et al., "The Drosophila Melanogasater Dodo (dod) Gene," Proc. Natl. Acad. Sci. USA, 1996, 447-451, 93.
MARTIN, "3D Database Searching in Drug Design," J. Med. Chem., 1992, 2145-2154, 35.
MENG et al., "Automated Docking with Grid-Based Energy Evaluation," J. Comp. Chem, 1992, 505-524, 13.
MIRANKER et al., "Functionality Maps of Bidning Sites: A Multiple Copy Simultaneous Search Method," Proteins Structure Func. & Genet., "Functionality Maps of Binding Sites," 1991, 29-34, 11
MULLIS et al., "Specific Enzymatic Amplification of DNA," In Vitro: The Polymerase Chain Reaction," CSH Symp. Quantum Biol., 1986, 263-273, 51.
MYERS et al., "Optimal Alignments in Linear Space," CABIOS, 1989, 11-17, 4.
NAVAZA, J., "AMoRe: an Automated Package for Molecular Replacement," Acta Crystallographics ASO, 1994, 157-163.
NAVIA et al., "Use of Structural Information in Drug Design," Curr. Opin. Struct. Biol., 1992, 202-210, 2.
NEEDLEMAN, et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," J. Mol. Biol., 1970, 444-453, 48.v
NURSE, P., "Universal Control mechanism Regulating Onset of M-Phase, Nature, 1990, 503-508, 344.
OTWINOWSKI et al., [20] Processing of X-Ray Diffraction Data Collected in Oscillation Mode," Methods in Enzymology, 1997, 307-326, 276.
PERBAL, B., "A Practical Guide to Molecular Cloning," 2nd ed., 1998, Wiley & Sons.

TENDAL, D., ATTACAGA GARGE AS MELECULA	3 ,
EXAMINER:	DATE CONSIDERED:
	·

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. 'Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kindof document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

Substitute for form 14	149/PTO
MR 5 5 JOHN 2	IFORMATION DISCLOSURE ATEMENT BY APPLICATION (Use as many sheets as n cessary)

Compl te if Known			
Application Number	10/616,003		
Filing Date	July 8, 2003		
First Named Inventor	David MATTHEWS et al		
Art Unit	Not Yet Assigned		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	PC19084A/AG0116-US		

PERRAKIS et al., "Automated Protein Model building Combined with Iterative Structure Refinement," Nature Struc. Biol., 1999, 458-463, 6.
RANGANATHAN et al., "Structural & Functional Analysis of the Mitotic Rotamase Pin 1 Suggests Substrate Recognition," Cell, 1997, 875-886, 89.
RATTAN et al., "Protein Synthesis, Posttranslational Modifications, and Aging," Ann NY Acad. Sci., 1992, 48-62, 663.
RITCHIE et al., "Protein Docking Using Spherical Polar Fourier Correlations," Proteins: Struct. Funct. & Genet, 2000, 178-194, 39.
SAIKI et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," Science, 1988, 487-491, 239.
SAMBROOK et al., "Molecular Cloning: A Laboratory Manual," 3rd ed., 2001, Cold Spring Harbor Press, Cold Spring Harbor, NY.
SCHMID, F., Prolyl Isomerases Join the Fold, Current Biology, 1995, 993-994, 5.
SCHULTZ et al., " Expression and Secretion in Yeast of a 400-k Da Envelope Glycoprotein Derived from Epstein-Barr Virus," Gene, 1987, 113-123, 54.
SEED, B., "An LFA-3 cDNA Encodes a Phospholipid-linked Membrane Protein Homologous to its Receptor CD2," Nature, 1987, 840, 329.
SEIFTER et al., "Analysis for Protein Modifications and Nonprotein Cofactors," Methods in Enzymology, 1990, 626-646, 182.
SHEN et al., "The Essential Mitotic Peptidyl-prolyl Isomaerase Pin1 binds and regulates Mitosis-specific Phosphoproteins," Genes & Development, 1998, 706, 12.
SMITH et al., "Human Interleukin 4, The Solution Structure of a Four-helix Bundle Protein," J. Mol. Biol., 1992, 899-904, 224.
SMITH et al., "Production of Huma Beta Interferon in Insect Cells Infected with a Baculovirus Expression Vector," Mol. Cell Biol., 1983, 2156-2165, 3.
SMITH et al., "Single Step Purification of Polypeptides Expressed in Escherichia coli as Fusions with Glutathione S-transferase," Gene, 1988, 31-40, 67.
SMITH, D., "Biocomputing: Informatics and Genome Projects," 1993, Academic Press, NY.

EXAMINER:			 DATE CON	SIDERED:			

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. 'Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kindof document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

PTO.SB/08A (04-03)

Approved for use through 04/30/03. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. Department of Commerce

U.S. Patent and Tracemark Office, U.S. Department of Commerce
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control Number.

Substitute for form 1449/PTO

TOPE

Complete if Known				
Application Number	10/616,003			
Filing Date	July 8, 2003			
First Named Inventor	David MATTHEWS et al			
Art Unit	Not Yet Assigned			
Examiner Name	Not Yet Assigned			
Attorney Docket Number	PC19084A/AG0116-US			

	STUCKENBERG et al., "Systematic Identification of Mitotic Phosphoproteins," Curr. Biol., 1997, 338-348, 7.
	STUDIER et al., "[6] Use of T7 RNA Polymerase to Direct Expression of Cloned Genes," Gene Expression Technology: Methods in Enzymology, 1990, 60-89, 185.
•	WADA et al., "Godon Usage Tabulated from the GenBank Genetic Sequence Data," Nucleic Acids Res., 1992, 2111-2118, 20.
,	WEST et al., "Targeting HIV-1 Protease: a Test of Drug-design Methodologies," TIPS, 1995, 67-74, 16.
	WESTENDORF et al., "Cloning of cDNAs for M-phase Phosphoproteins Recognized by the MPM2 Monoclonal Antibody and," Proc. Natl. Acad. Sci. USA, 1994, 714-718, 91.
	WLODAWER et al., "Structure-Based Inhibitors of HIV-1 Protease," Ann. Rev. Biochem, 1993, 543-585, 62.
	YAFFE et al., "Sequence-Specific and Phosphorylation-Dependent ProlineIsomerization: A Potential Mitotic Regulatory Mechanism," Science, 1997, 1957-1960, 278.

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or no citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. 'Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901-04, 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.